

Remarks

Reconsideration of this application as amended is respectfully requested.

Claims 1-17 stand rejected under 35 U.S.C. §102(b) as being unpatentable over U.S. Patent No. 5,774,377 of *Eidson et al.* ("*Eidson*").

Claims 1-17 have been canceled. New claims 18-37 have been added.

The Examiner has rejected claims 1-17 under 35 U.S.C. §102(b) as being anticipated by *Eidson*. Applicant respectfully submits that new claim 18 is not anticipated by *Eidson*. New claim 18 is an instrumentation system that includes the limitations

means for asserting an event trigger signal on an event signal path;

a set of instruments each coupled to the event signal path and each having a synchronized clock and an event buffer and means for periodically logging a measurement and a corresponding time-stamp obtained from the synchronized clock into the event buffer, each instrument having a mechanism for freezing the periodic logging in response to the event trigger signal.

(New claim 18) (emphasis added).

Eidson does not disclose an instrument that freezes an event buffer in response to an event trigger signal on an event signal path as claimed in new claim 18. Instead, *Eidson* discloses a subsystem that receives notification of a trap condition (block 21 of Fig. 1 of *Eidson*) and then archives buffered data (block 23 of Fig. 1 of *Eidson*) and then performs an interruptive procedure (block 41 of Fig. 1 of *Eidson*). In contrast to freezing an event buffer in response to an event trigger signal as claimed in new claim 18, *Eidson* archives buffered data in response to a notification of the time of a trap condition by comparing the time of the trap condition with time-stamps for buffered data. (*Eidson*, col. 4, lines 17-25). Only after performing the step of archiving

does *Eidson* pause the subsystem. (*Eidson*, col. 5, lines 2-6).

Given that new claim 19-24 depend from new claim 18, it is submitted that new claims 19-24 are not anticipated by *Eidson*.

Applicants also submit that new claims 25 and 32 are not anticipated by *Eidson*. New claims 25 and 32 include limitations similar to the limitations in new claim 18 including freezing logging in an event buffer in response to an event trigger signal. Therefore, the remarks stated above with respect to new claim 18 also apply to new claims 25 and 32.

Given that new claims 26-31 and 33-37 depend from new claims 25 and 32, respectively, it is submitted that new claims 26-31 and 33-37 are not anticipated by *Eidson*.

It is respectfully submitted that in view of the amendments and arguments set forth above, the applicable objections and rejections have been overcome.

The Commissioner is authorized to charge any underpayment or credit any overpayment to Deposit Account No. 50-1078 for any matter in connection with this response, including any fee for extension of time, which may be required.

Respectfully submitted,

Date: 12-18-03

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